Claims

- A device for extracting paste contents, the device comprising:

 a means for individually storing at least one paste content therein in order to
 extract the paste content to an exterior; and
 a means for pushing the paste content stored in the storing means, the pushing
 means being detachably coupled with the storing means.
- [2] The device as claimed in claim 1, wherein the storing means is formed at an inner portion thereof with at least one storing cavity for individually storing the paste content, a first exhaust port is formed at a first end of the storing cavity in order to exhaust the paste content, a first injection port is formed at a second end of the storing cavity for injecting the paste content into the storing cavity, and the pushing means

includes a pushing member fully making contact with an inner peripheral wall of the storing means having the storing cavity in order to seal the storing means.

- A device for extracting paste contents, the device comprising:

 a storing means having a storing cavity for individually storing at least one paste
 content container therein in order to extract the paste content to an exterior, a
 second exhaust port being formed at a first end of the storing cavity in order to
 exhaust the paste content, a second insertion hole being formed at a second end
 of the storing cavity for receiving the paste content container therein; and
 a pushing means for pushing the paste content stored in the paste content
 container, the pushing means being detachably coupled with the storing means.

 The device as claimed in any one of claims 1 to 3, further comprising a means
 - The device as claimed in any one of claims 1 to 3, further comprising a means for mixing and exhausting the paste contents, wherein the mixing and exhausting means has a third exhaust port in order to simultaneously exhaust the paste contents by mixing the paste contents with each other.
- The device as claimed in claim 4, wherein the storing means is formed at an outer peripheral surface thereof with a coupling protrusion and the mixing and exhausting means is formed at an inner peripheral surface thereof with a coupling slot corresponding to the coupling protrusion in such a manner that the storing means is detachably coupled to the mixing and exhausting means.
- [6] The device as claimed in any one of claims 1 to 3, wherein the pushing means includes a driving means for generating repulsive force for pushing the paste contents.
- [7] The device as claimed in claim 6, wherein the pushing means includes push bars corresponding to storing cavities and first tooth sections having predetermined lengths are formed lengthwise along the push bars, respectively.

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[8] The device as claimed in claim 7, wherein the first tooth section formed in the push bar has a trapezoidal sectional shape.
[9] The device as claimed in claim 7, wherein the driving means includes a first

rotating shaft, a rotating wheel fixedly installed around the first rotating shaft such that the rotating wheel is rotated when external force is applied thereto, and a plurality of first gears fixedly installed around the first rotating shaft at both sides of the rotating wheel and formed at outer peripheral surfaces thereof with second tooth sections corresponding to the first tooth sections so as to engage with the push bars.

[10] The device as claimed in claim 9, wherein the rotating wheel is formed at an outer peripheral surface thereof with a plurality of anti-sliding protrusions.

The device as claimed in claim 7, wherein the driving means includes a second rotating shaft, a second gear fixedly installed around the second rotating shaft and formed at an outer peripheral surface thereof with a third tooth section, a plurality of third gears fixedly installed around the second rotating shaft at both sides of the second gear and formed at outer peripheral surfaces thereof with fourth tooth sections corresponding to the first tooth sections of the push bars so as to engage with the push bars, a third rotating shaft spaced apart from the second shaft by a predetermined distance, a fourth gear fixedly installed around the third rotating shaft and formed at an outer peripheral surface thereof with a fifth tooth section corresponding to the third tooth section of the second gear so as to engage with the second gear, a fifth gear formed at an outer peripheral surface thereof with a sixth tooth section corresponding to the fifth tooth section of the fourth gear so as to engage with the fourth gear, and a driving motor having a motor shaft fixedly coupled to a center of the fifth gear.

[12] The device as claimed in claim 11, wherein a rotating direction of the second gear is identical to a rotating direction of the fifth gear.

[13]

The device as claimed in claim 11, wherein the driving motor is electrically connected to an actuating button, a part of which is exposed to an exterior in order to allow the driving motor to be operated by means of the actuating button.

[14] The device as claimed in claim 13, wherein the driving means further includes an elastic member installed at a lower portion of the actuating button.

The device as claimed in claim 7, wherein the driving means includes a fourth rotating shaft, a sixth gear fixedly installed around the fourth rotating shaft and formed at an outer peripheral surface thereof with a seventh tooth section, a plurality of seventh gears fixedly installed around the fourth rotating shaft at both sides of the sixth gear and formed at outer peripheral surfaces thereof with eighth tooth sections corresponding to the first tooth sections of the push bars so as to

engage with the push bars, a button body provided at a front end thereof with a tooth driving section engaged with the seventh tooth section of the sixth gear and provided at a rear portion thereof with a push button to which external force is applied such that the button body moves in see-saw action about a predetermined portion thereof adjacent to the tooth driving section, and an elastic member installed below the push button in order to return the button body to an initial position thereof.

- [16] The device as claimed in claim 15, wherein the push button is exposed to an exterior so as to allow external force to be applied thereto.
- [17] The device as claimed in claim 15, wherein the tooth driving section has a triangular sectional shape.
- [18] A device for extracting paste contents, the device comprising:

 a means for storing at least one paste content container having at least one
 storing cavity therein in order to extract the paste contents to an exterior; and
 a means for pushing the paste contents stored in the paste content container, the
 pushing means being detachably coupled with the storing means.
- The device as claimed in claim 18, wherein the storing means includes a first case formed at an inner portion thereof with at least one storing cavity for individually storing the paste content container therein, a first exhaust port is formed at a first end of the first case in order to exhaust the paste contents, an insertion hole is formed at a second end of the first case for receiving the paste content container therein, the paste content container is formed at an inner portion thereof with at least one storing cavity for storing the paste contents therein, the storing cavity of the paste content container is formed at both sides thereof with an injection port for injecting the paste contents into the paste content container and a second exhaust port for exhausting the paste contents, and a piston is installed in the storing cavity of the paste content container while closely making contact with an inner peripheral wall of the storing cavity in order to push the paste contents from the injection port of the storing cavity of the paste content container to the second exhaust port.
- [20] The device as claimed in claim 18, wherein the pushing means includes a second case connected to the insertion hole of the first case and formed at an inner portion thereof with an installation cavity and a push bar positioned in the installation cavity of the second case in order to push the piston from the injection port to the second exhaust port.
- [21] The device as claimed in claim 20, wherein the push bar includes a push tip having a predetermined length and closely making contact with the piston, a first tooth section integrally formed with the push tip lengthwise along an upper

[28]

surface of the push tip, a second tooth section formed at a lower surface of the push tip, and a push bar retrieving tip formed in opposition to the push tip. [22] The device as claimed in claim 21, wherein the push bar retrieving tip downwardly protrudes from the lower surface of the push bar, and a slot is formed at a bottom surface of the second case in order allow the push bar retrieving tip to move along a moving direction of the push bar. [23] The device as claimed in claim 22, wherein the pushing means further includes a push bar stopper formed at the bottom surface of the second case, aligned in a same plane with the slot, and positioned adjacent to the slot in a vicinity of the first case in order to prevent a backward movement of the push bar. [24] The device as claimed in claim 20, wherein the pushing means further includes a pusher installed in an installation hole formed at an upper surface of the second case, the pusher has a push button inserted into the installation hole and provided with a first end fixed to a fixing hinge and a second end slantingly protruding from the upper surface of the second case with a predetermined height, a tooth pusher having a first end coupled to a lower center portion of the push button by means of a movable hinge and a second end engaged with the first tooth section of the push bar in order to move the push bar from the injection port of the paste content container to the second exhaust port when the push button is operated, and a pusher release button installed at a rear portion of the push button in order to separate the tooth pusher from the first tooth section of the push bar. [25] The device as claimed in claim 24, wherein the tooth pusher is connected to the push button in such a manner that the second end of the tooth pusher, the movable hinge and the fixing hinge form a reverse-V shaped configuration in order to allow the second end of the tooth pusher to push the first tooth section when the push button is pushed, and the first tooth section includes teeth inclined in one direction such that the push bar moves from the injection port of the paste content container to the second exhaust port when the tooth pusher pushes the first tooth section. [26] The device as claimed in any one of claims 20 to 25, further comprising a hinge for coupling one end portion of the first case to one end portion of the second case and a coupling/decoupling unit installed in opposition to the hinge in order to couple/decouple the first case to/from the second case. [27] The device as claimed in any one of claims 1 to 3 and 18 to 25, further comprising a connector coupled to a paste content exhaust section of the storing means in order to exhaust the paste contents to an exterior.

The device as claimed in claim 27, wherein the connector includes a brush unit, and the brush unit has a coupling section coupled to the paste content exhaust

section of the storing means, a body section connected to the coupling section and formed at an upper surface thereof with a plurality of brushes, and an exhaust tube section formed at one side of the body section and communicated with the paste content exhaust section of the storing means.

[29] The device as claimed in claim 28, wherein the exhaust tube section includes a plurality of exhaust tubes installed on the body section of the brush unit, and a size of the exhaust tubes is gradually increased lengthwise along the body section in order to uniformly exhaust paste contents through the exhaust tubes.

[30] The device as claimed in claim 28, wherein a height of the exhaust tubes is lower than that of the brushes so as to prevent the paste contents from directly making contact with a head skin.